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FIG.1

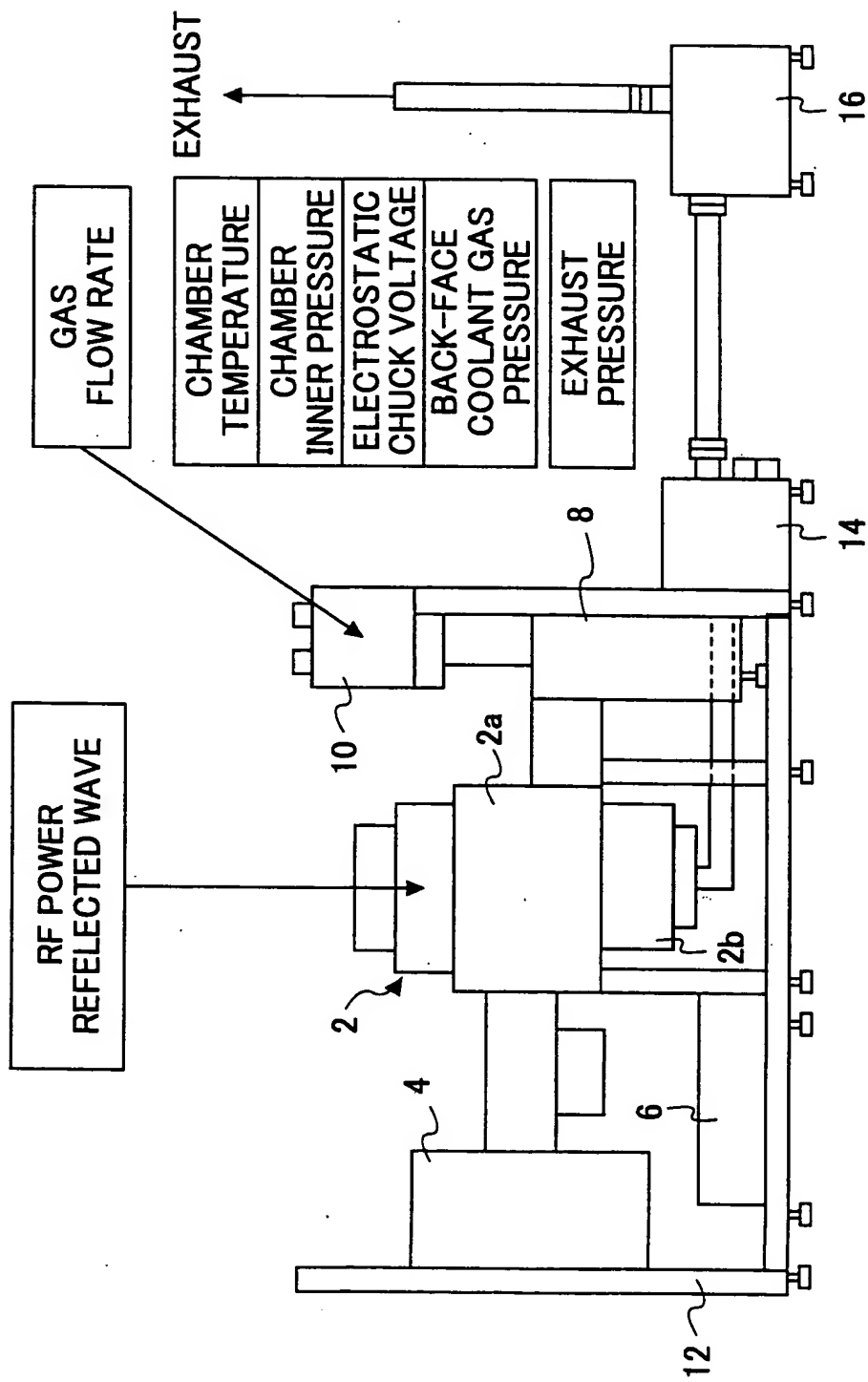


FIG.2

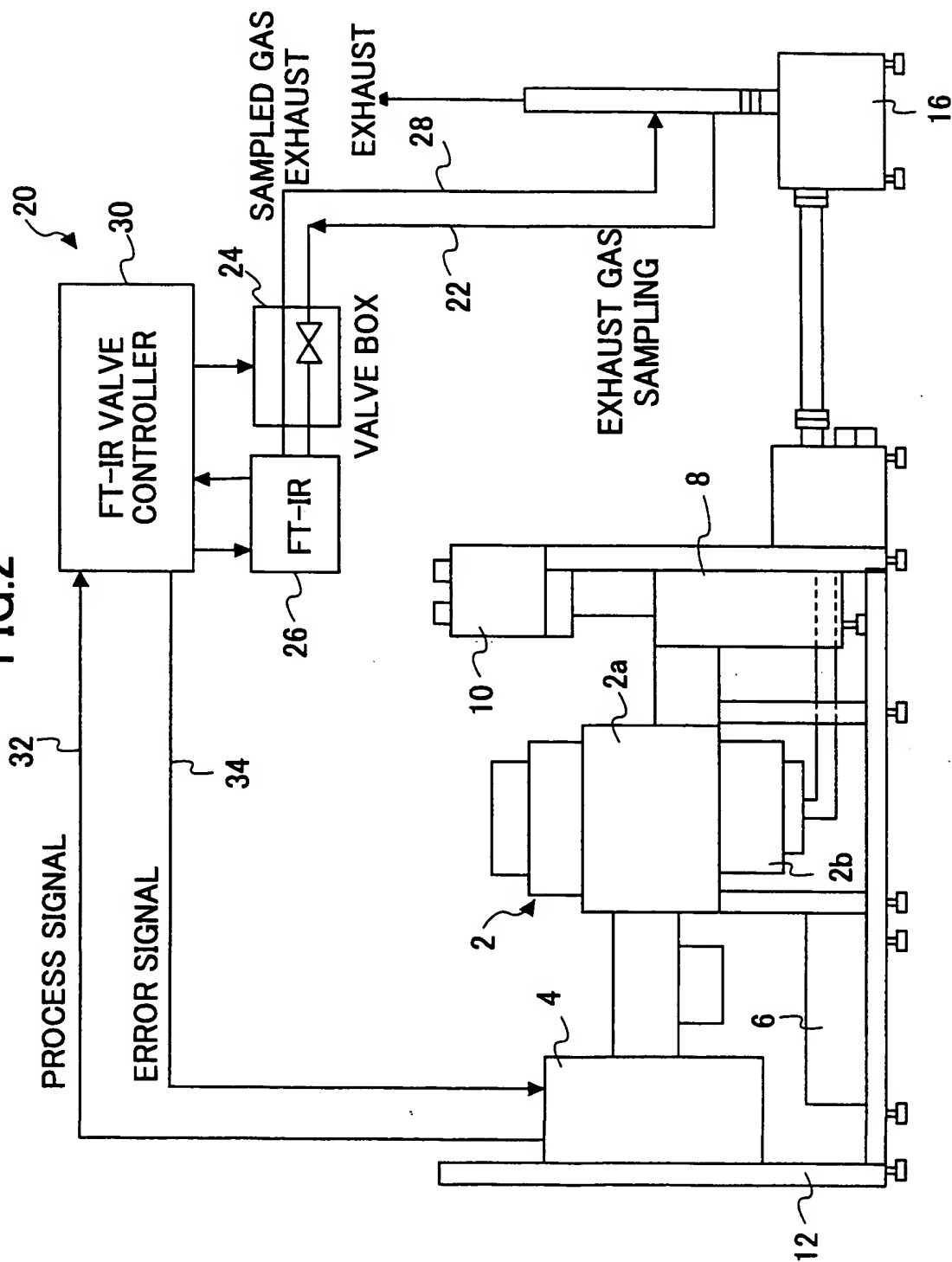


FIG.3

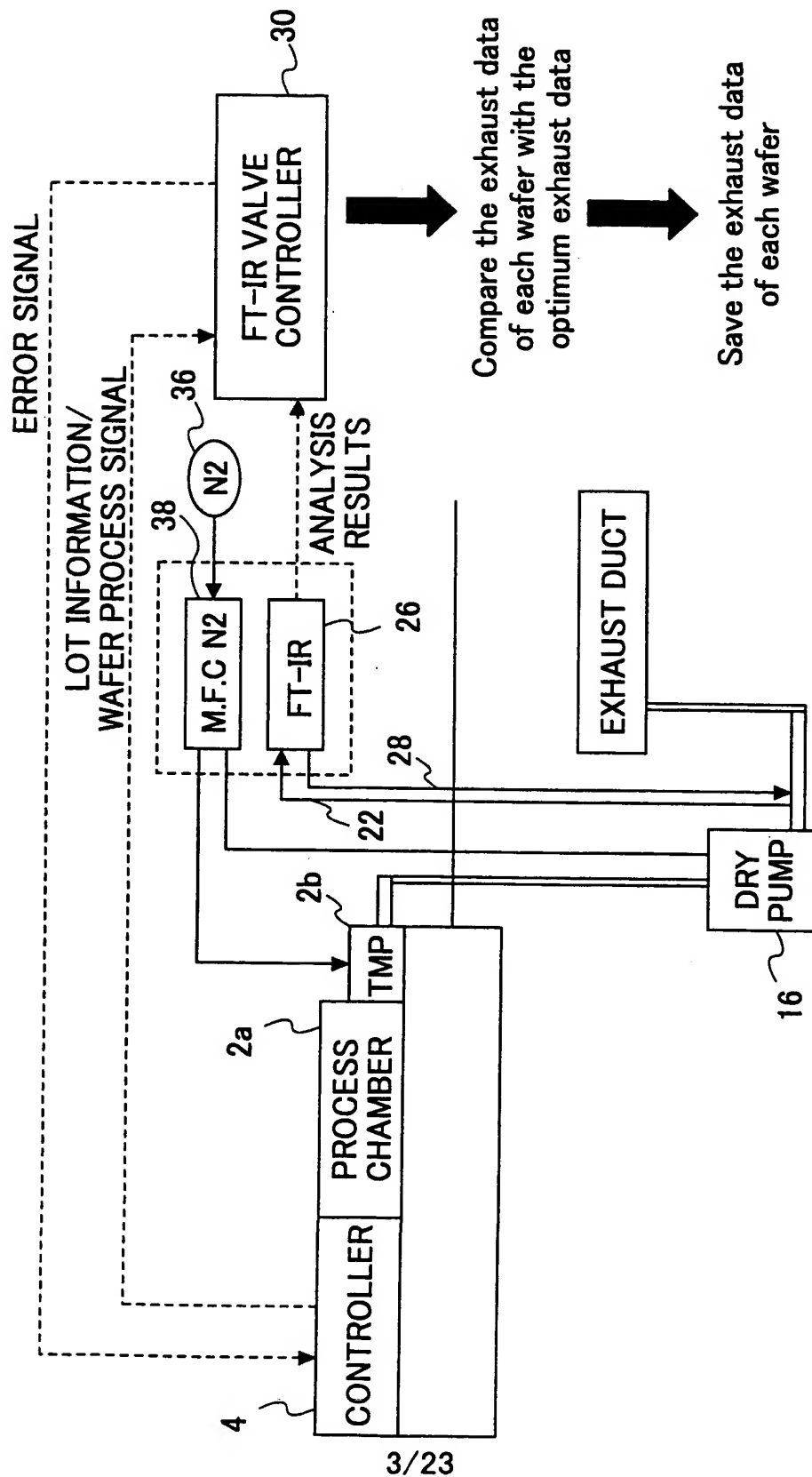
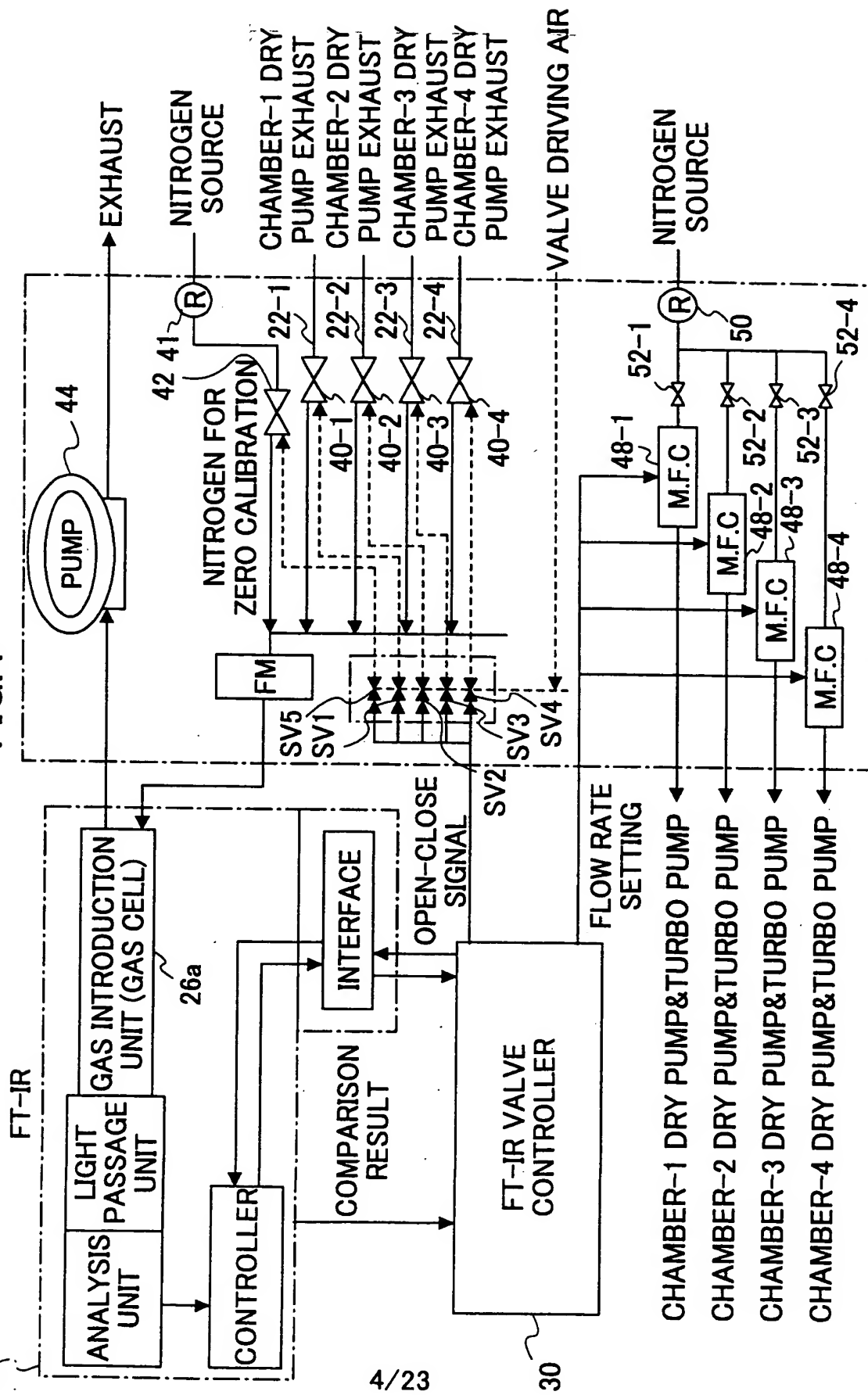
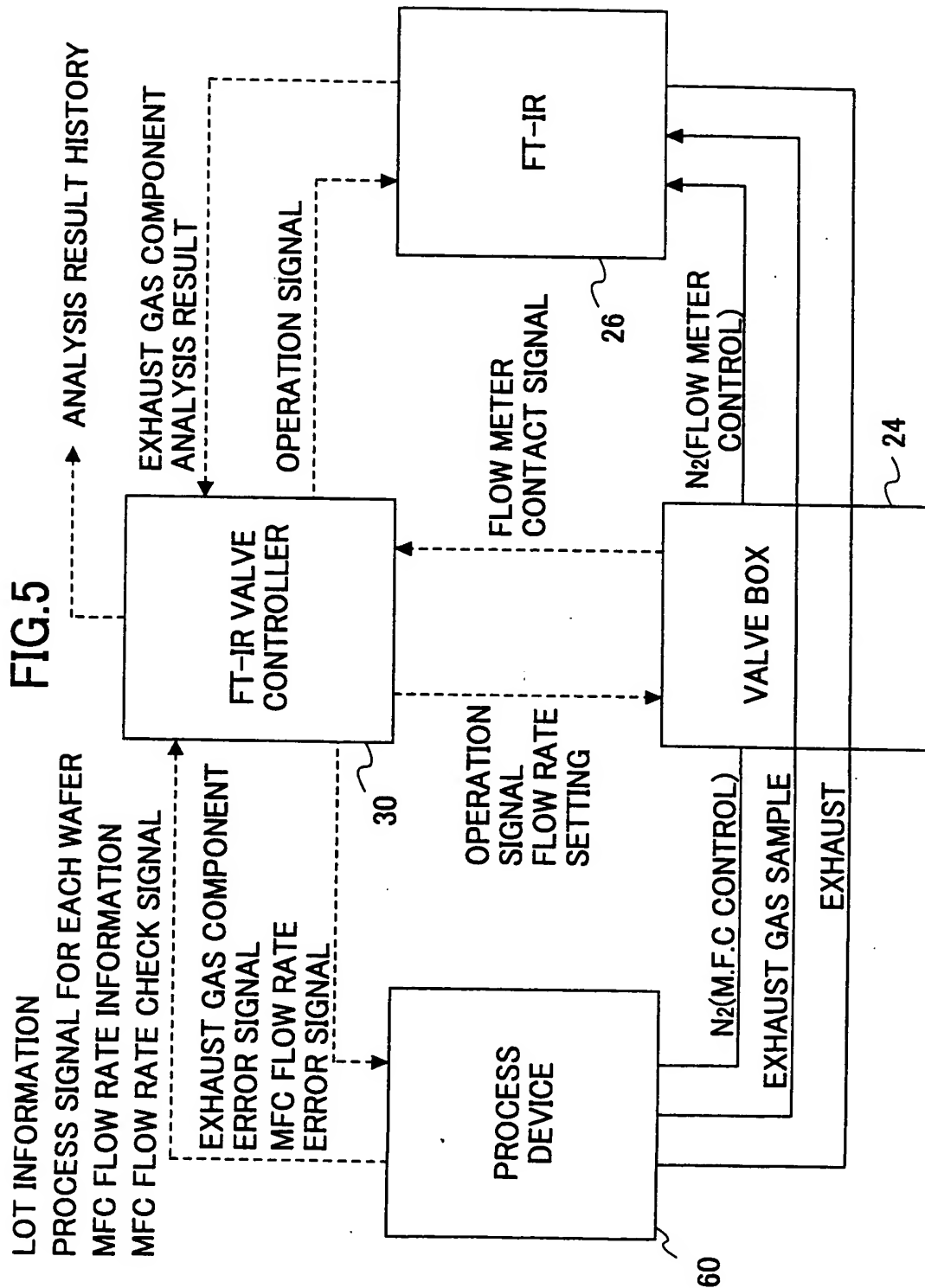


FIG. 4





# FT-IR controller

## FIG.6

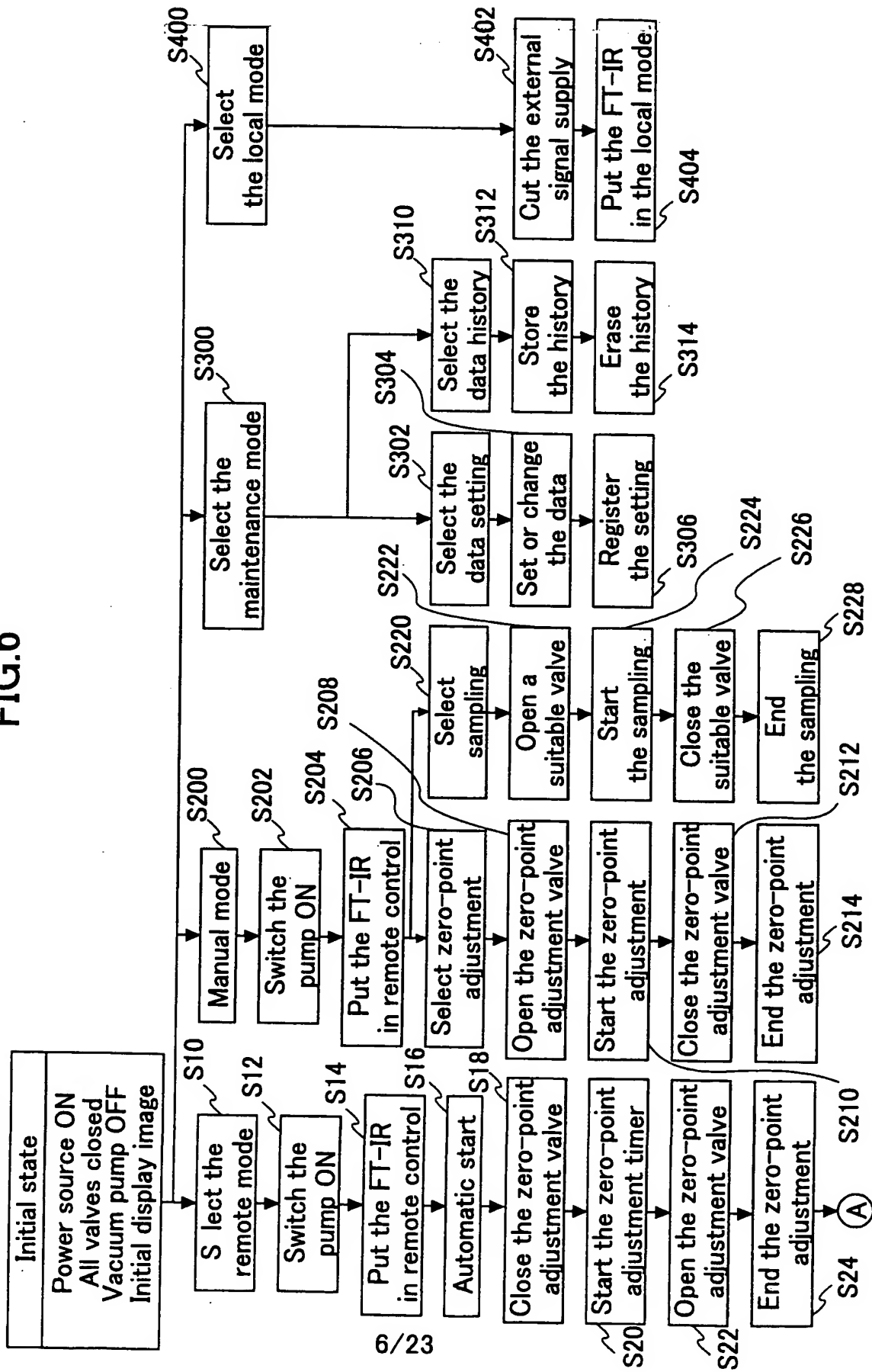


FIG. 7

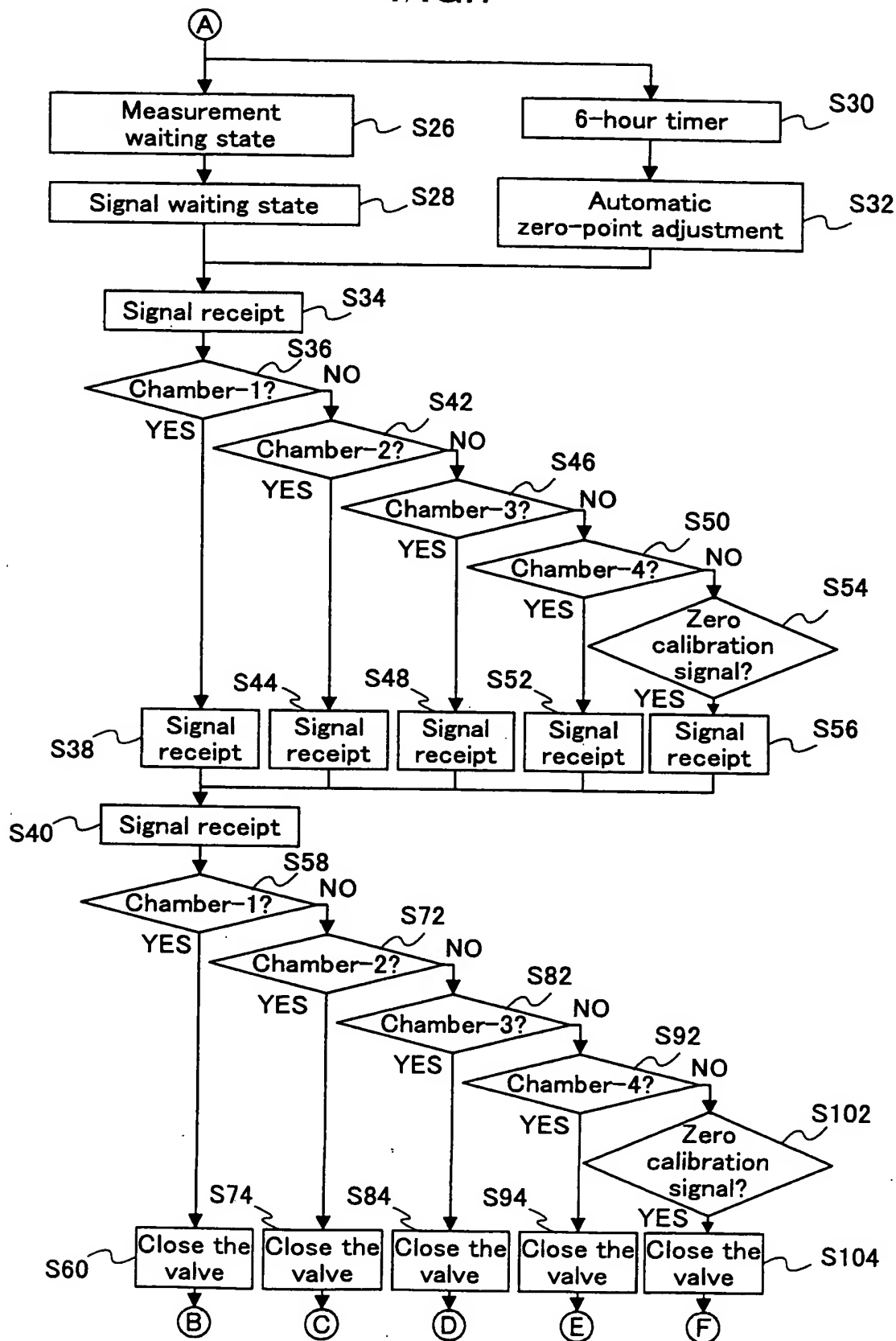
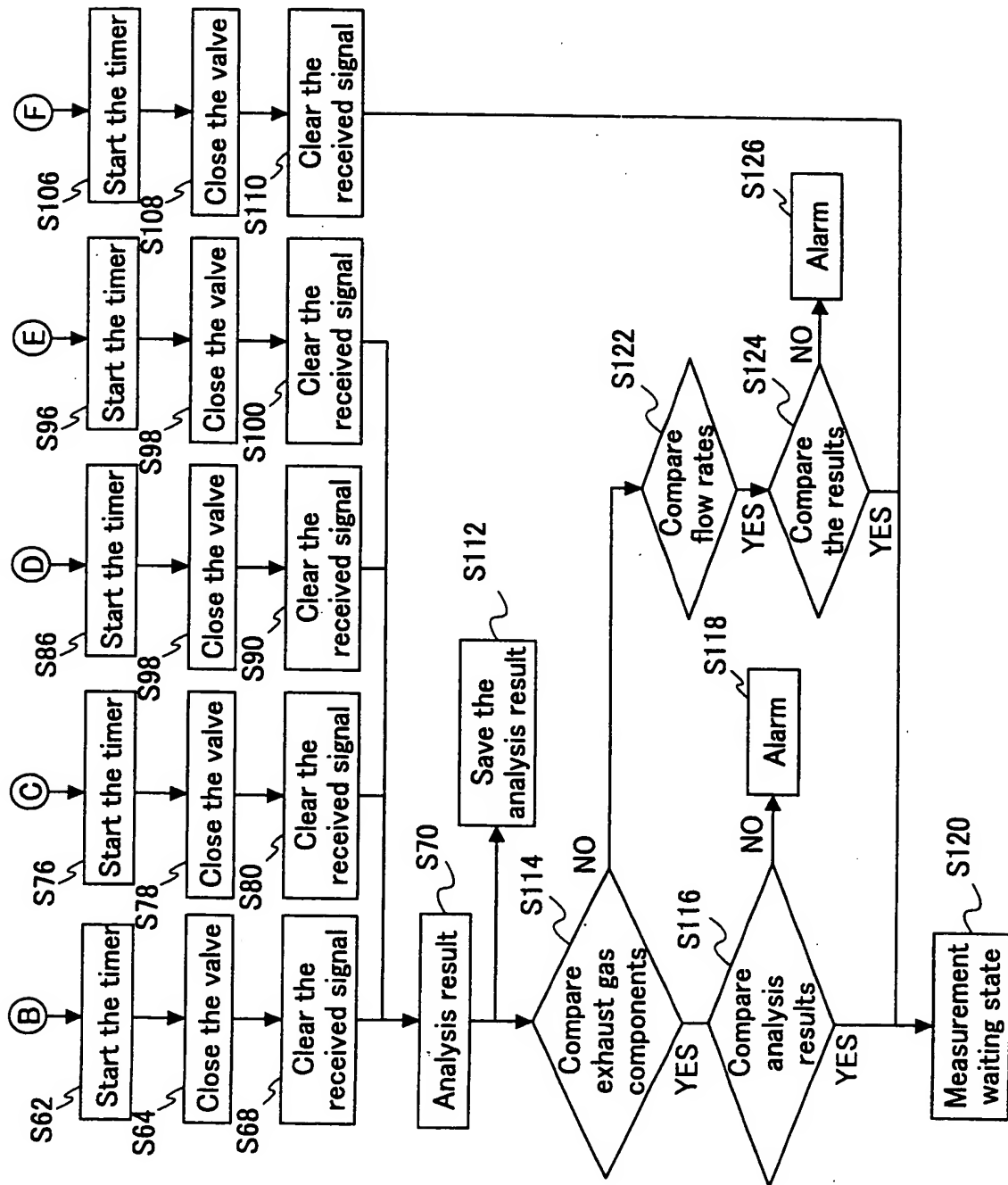




FIG.8



# FIG.9

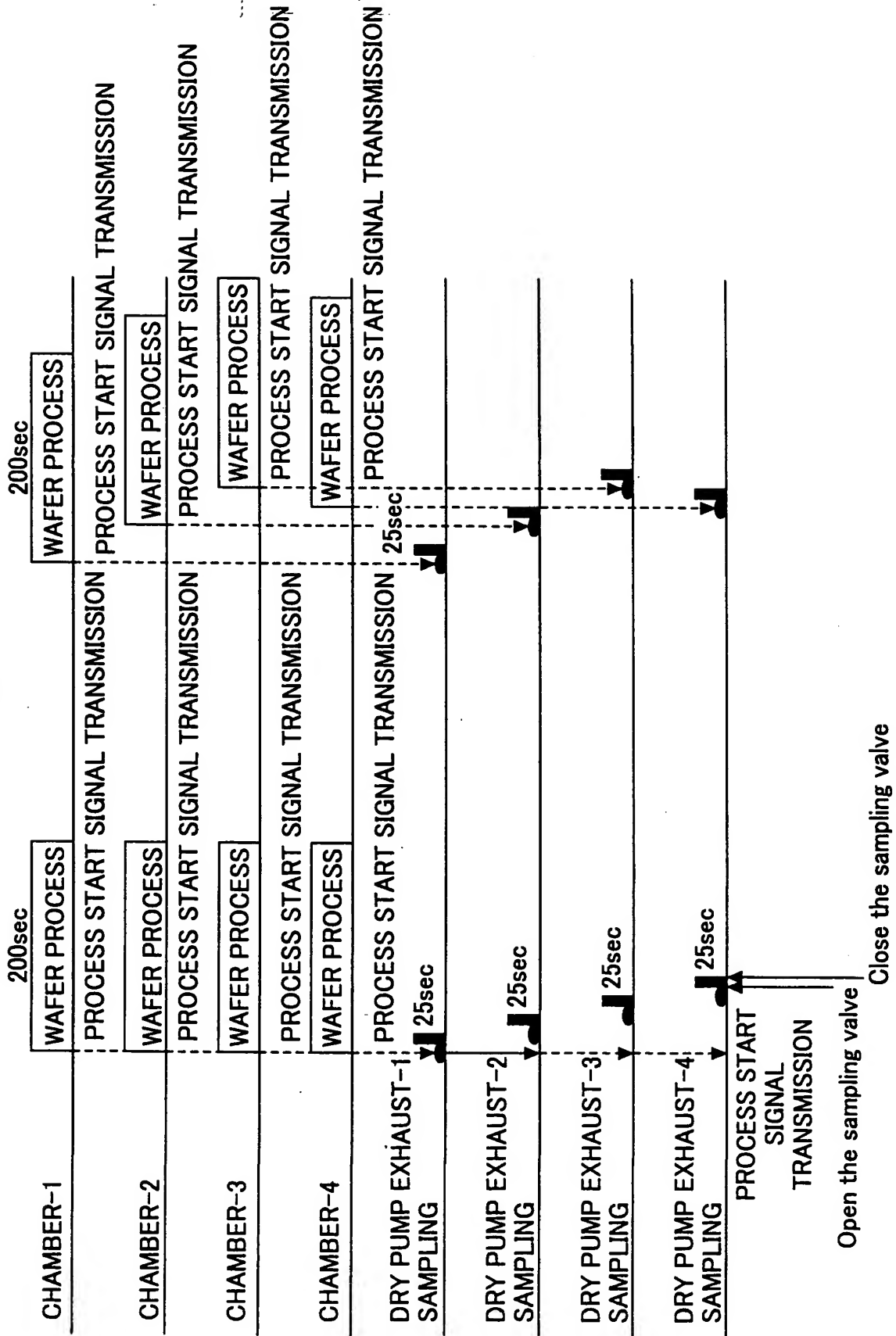


FIG.10

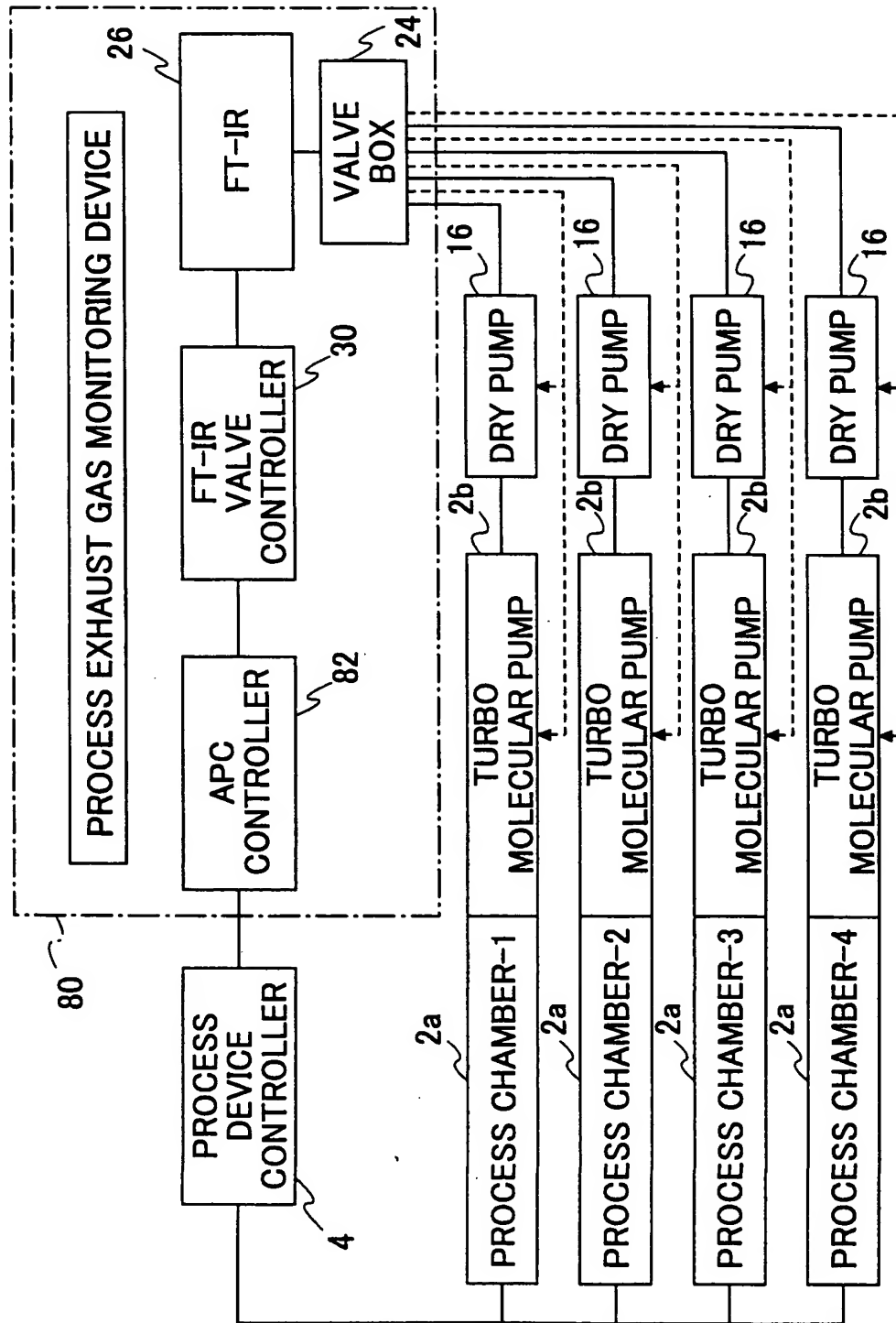
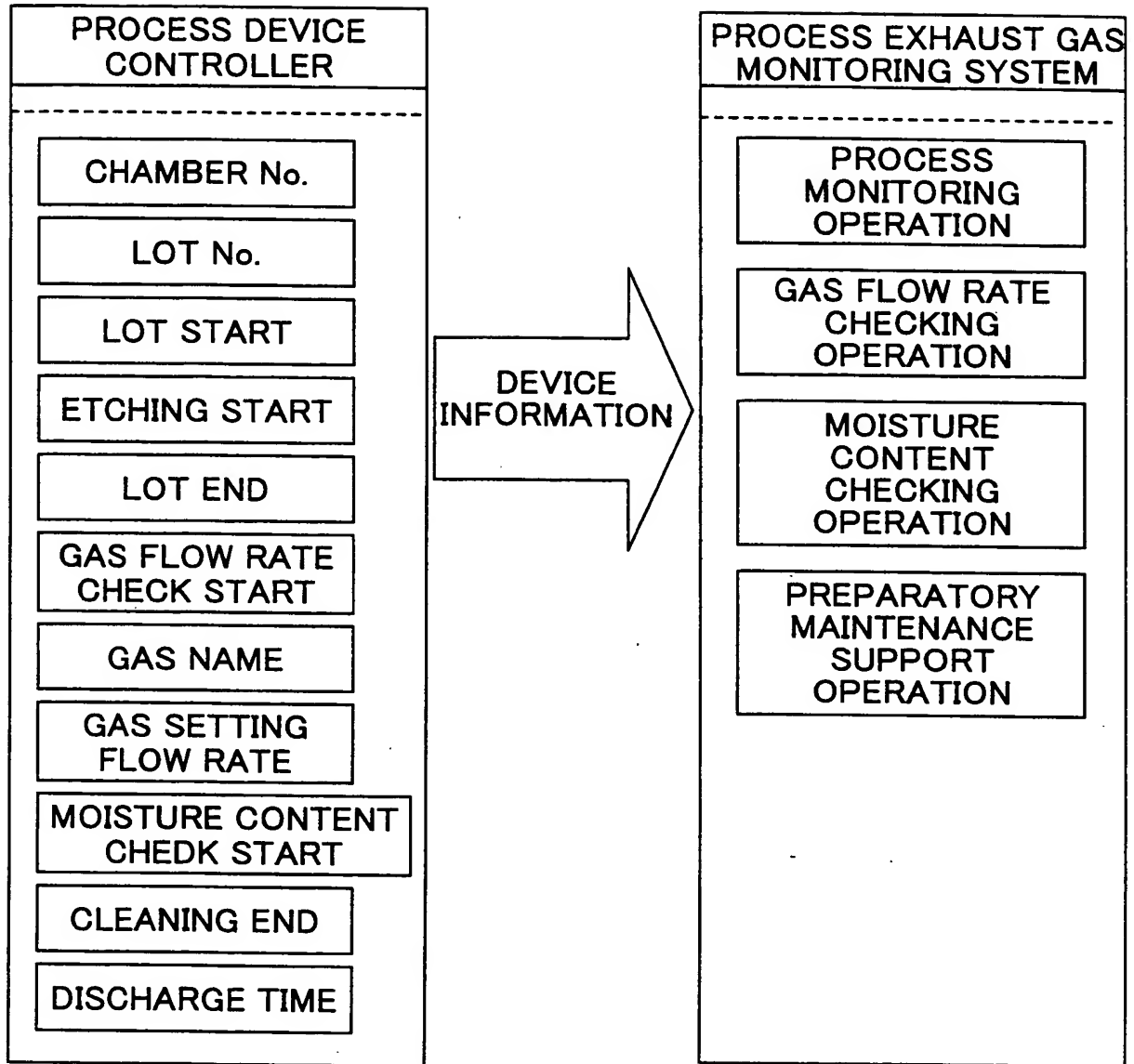
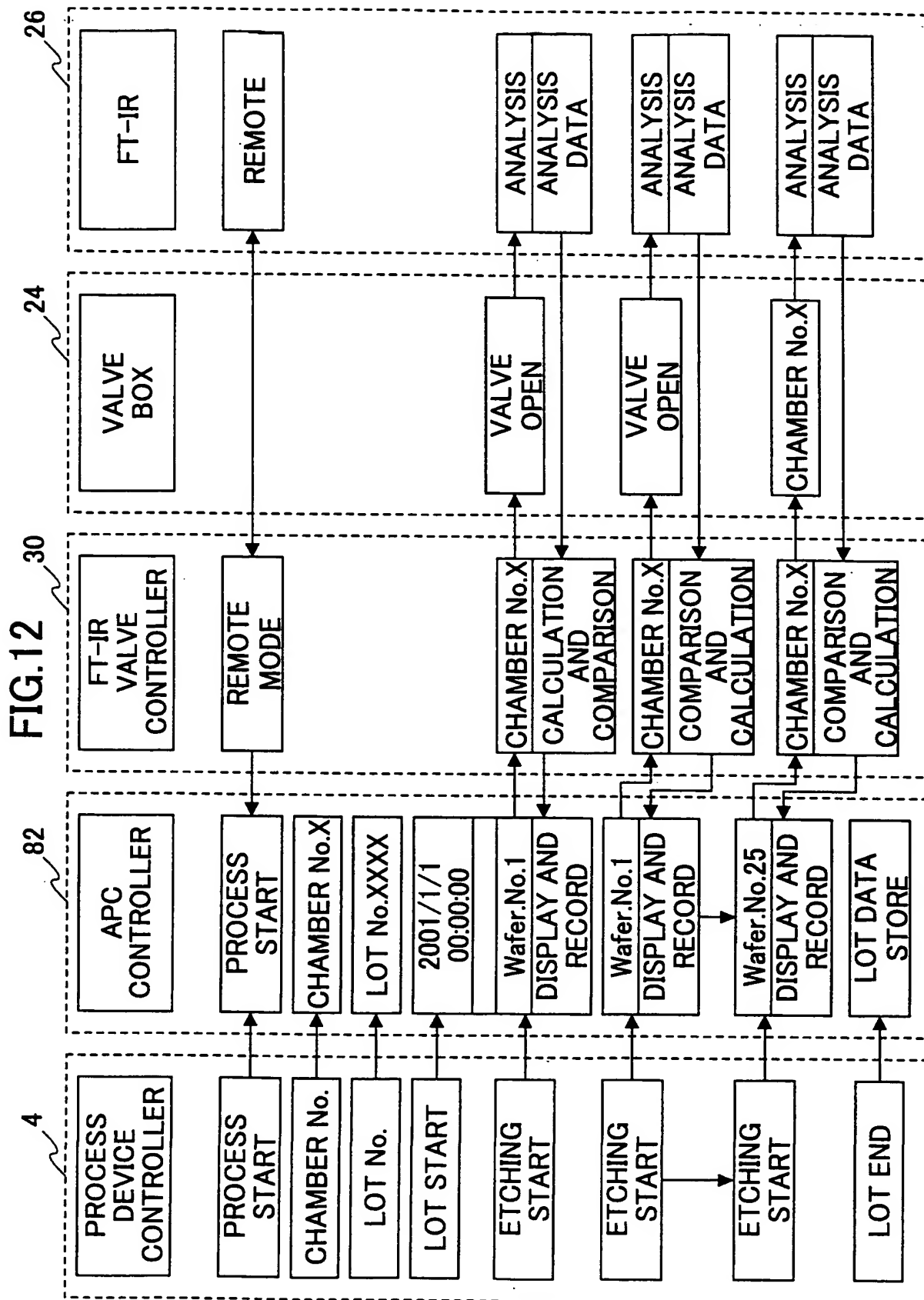
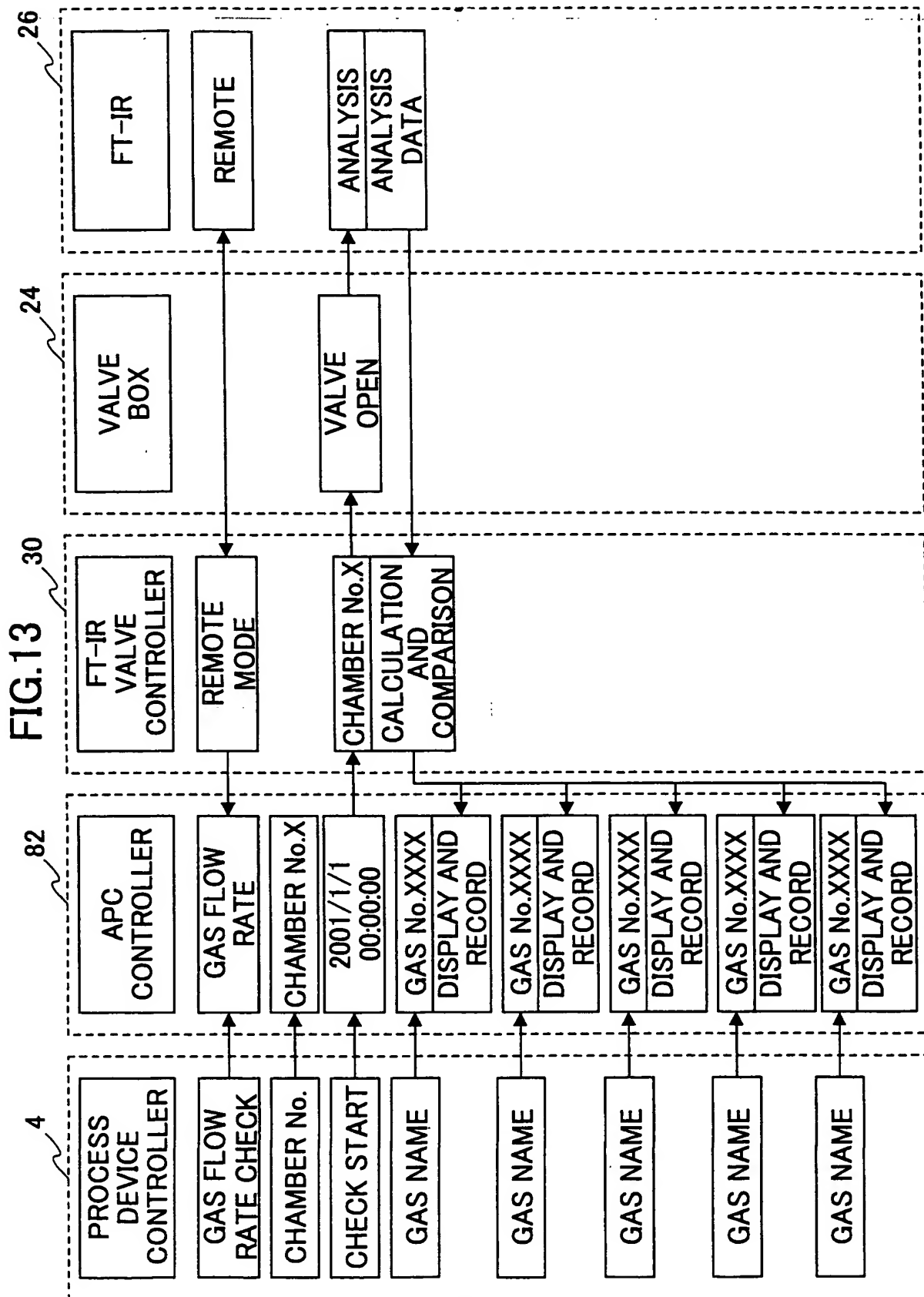


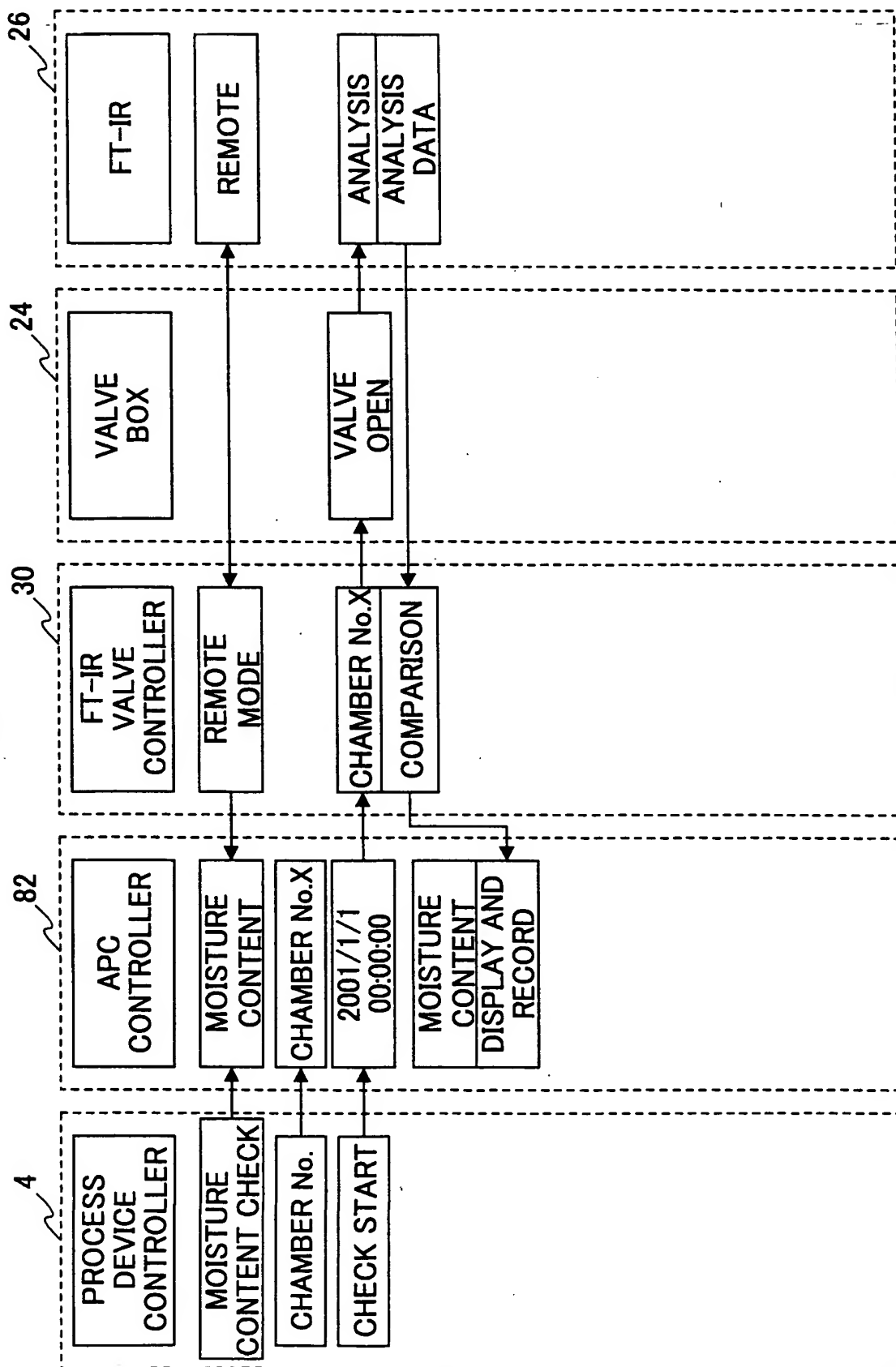
FIG.11







**FIG. 14**



**FIG. 15**

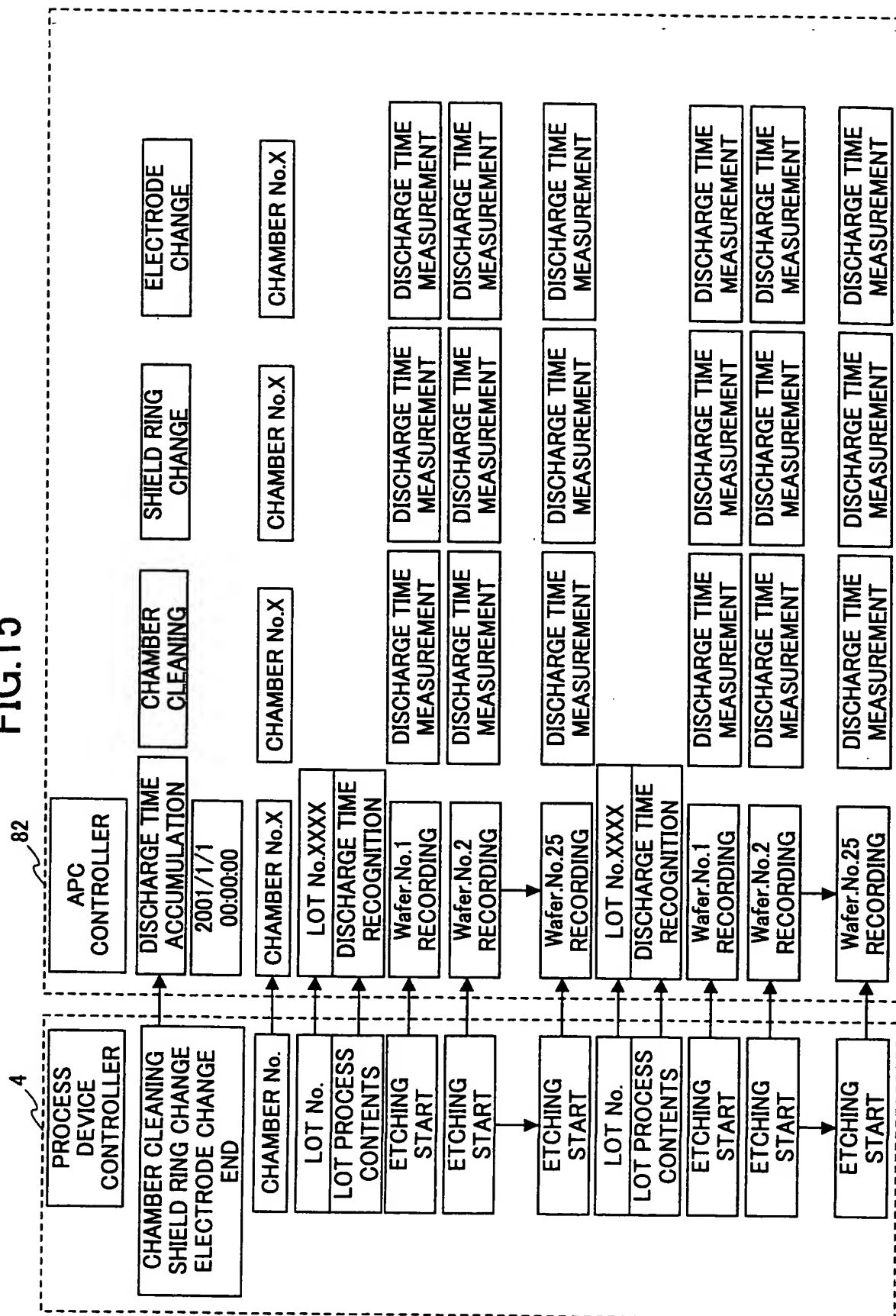




FIG.16

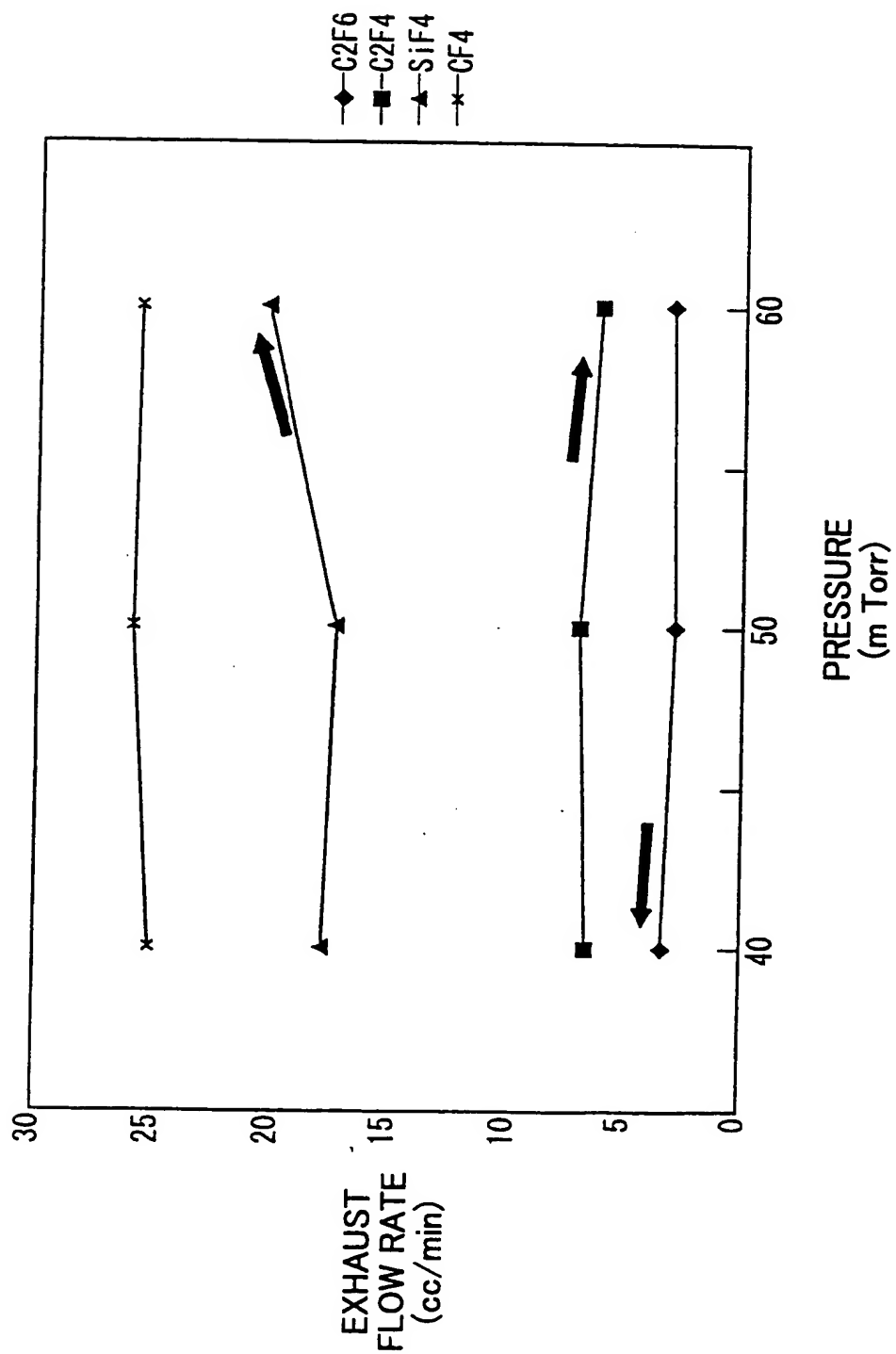


FIG.17

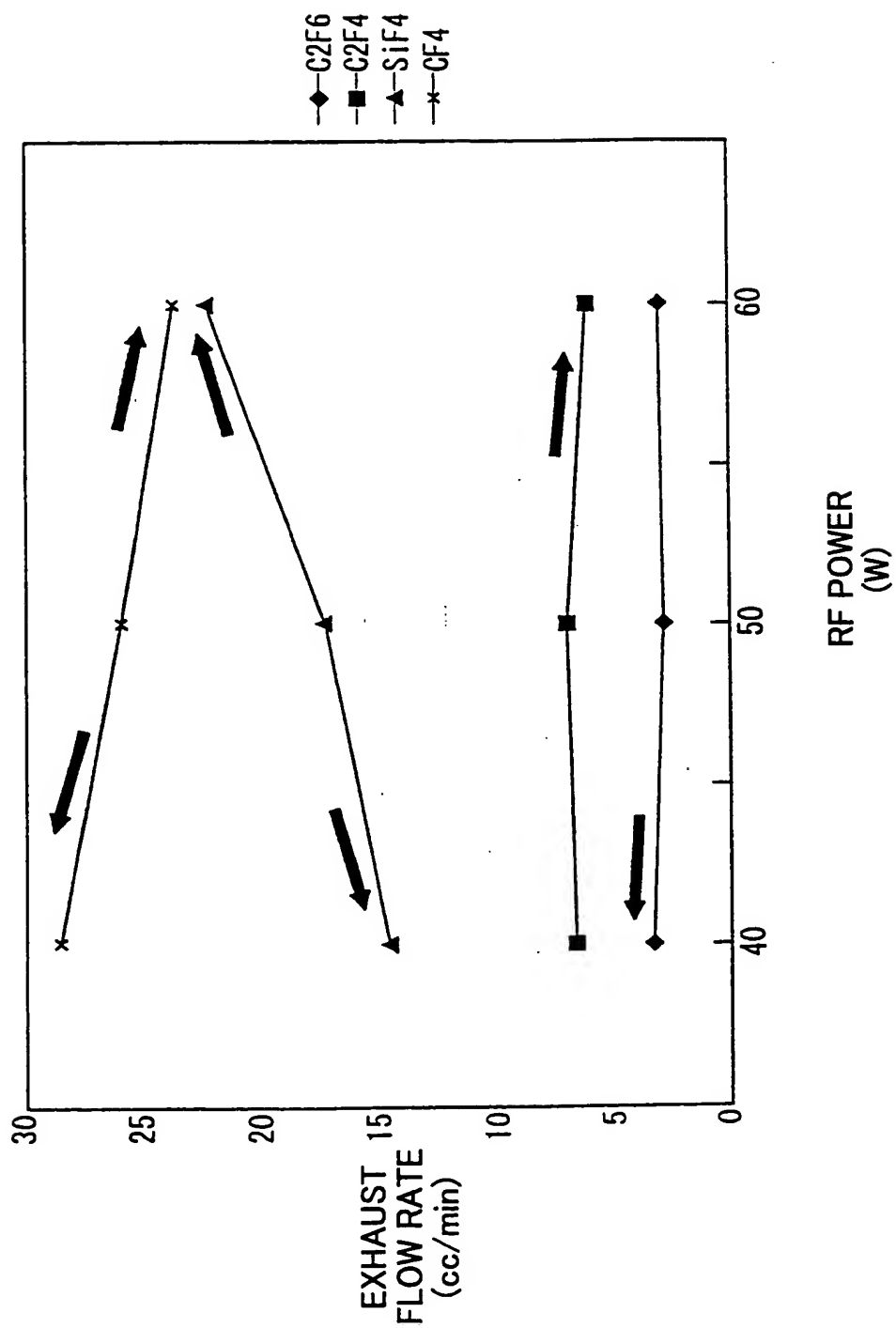


FIG.18

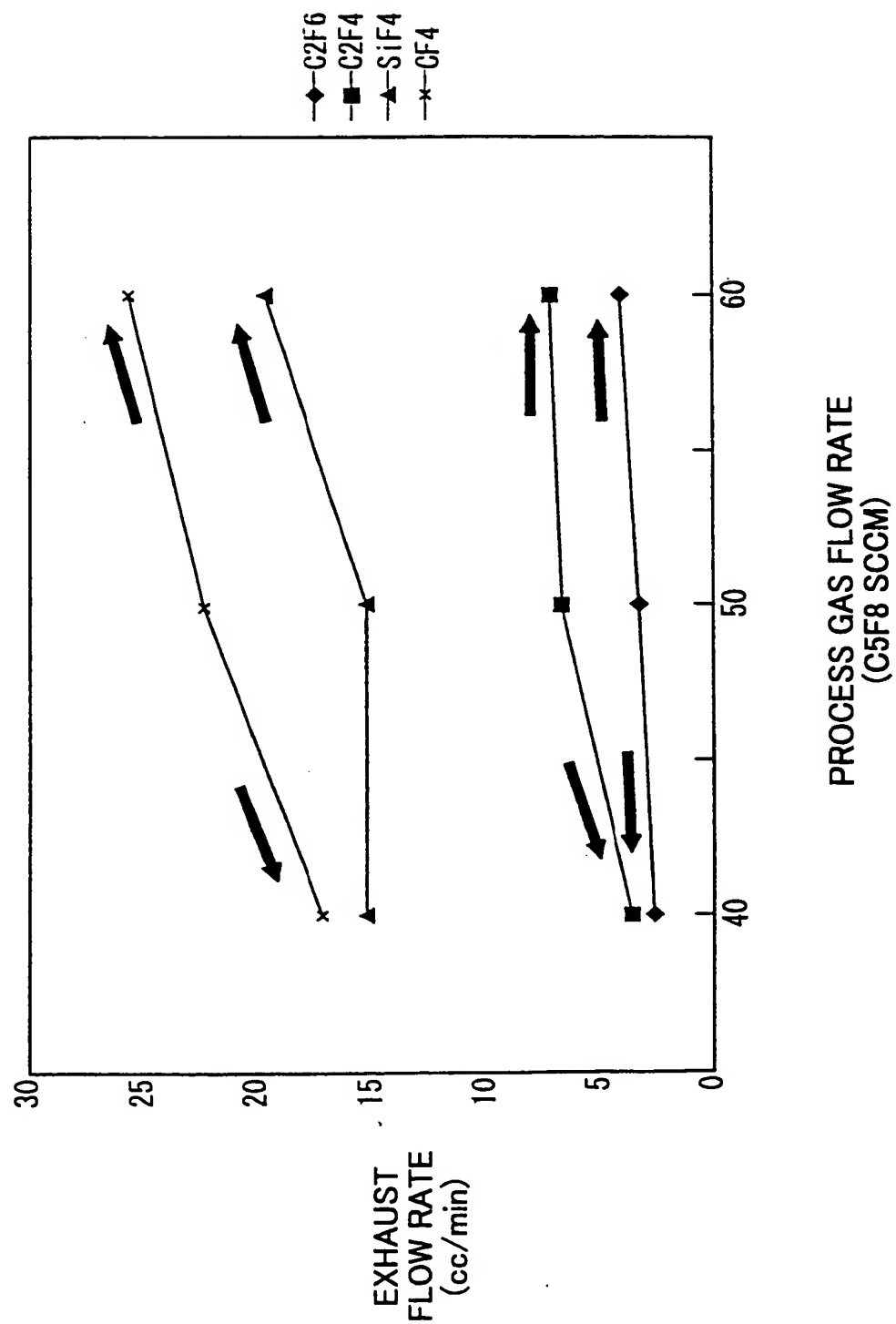


FIG.19A  $\text{CF}_4$

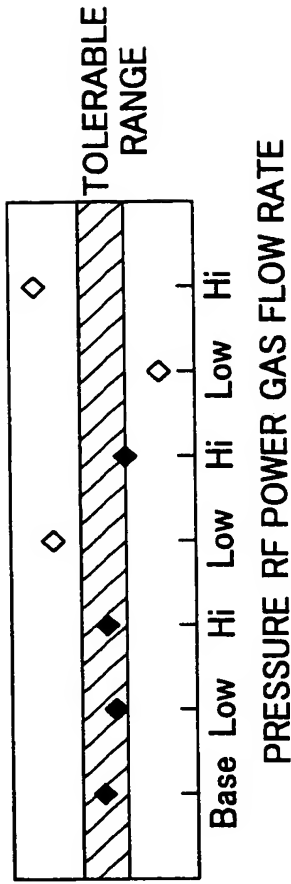


FIG.19B  $\text{SiF}_4$

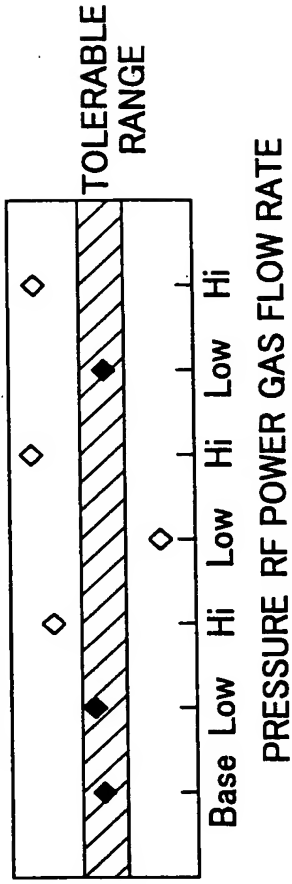


FIG.19C  $\text{C}_2\text{F}_4$

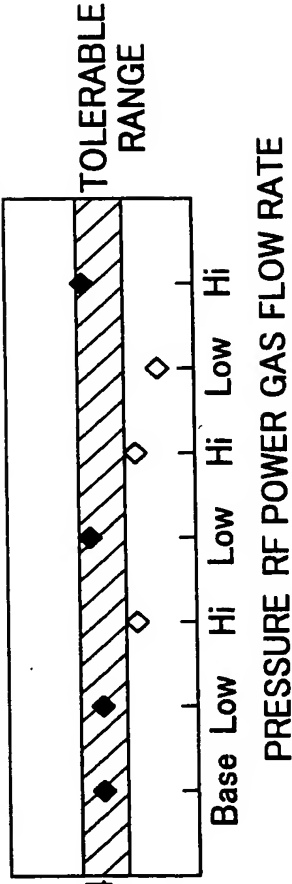


FIG.19D  $\text{C}_2\text{F}_6$

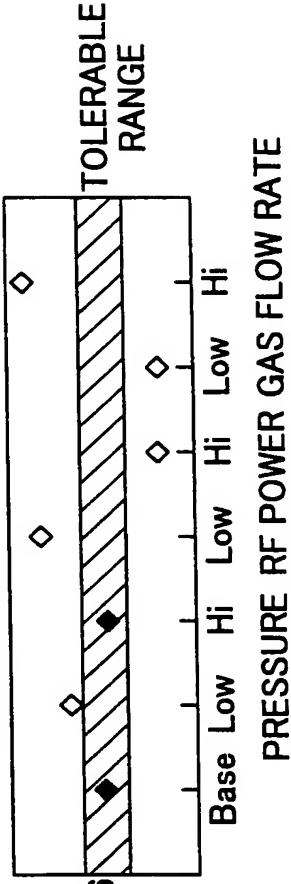


FIG.20

GAS TYPE PARAMETER		CF4	SiF4	C2F4	C2F6	RECOGNITION SIGNAL
CHAMBER INNER PRESSURE	Low	◆	◆	◆	◇	0001
		0	0	0	1	
	Hi	◆	◇	◇	◆	0110
		0	1	1	0	
RF POWER	Low	◇	◇	◆	◇	1101
		1	1	0	1	
	Hi	◆	◇	◇	◇	0111
		0	1	1	1	
GAS FLOW RATE (C5F8)	Low	◇	◆	◇	◇	1011
		1	0	1	1	
	Hi	◇	◇	◇	◇	1111
		1	1	1	1	

FIG.21

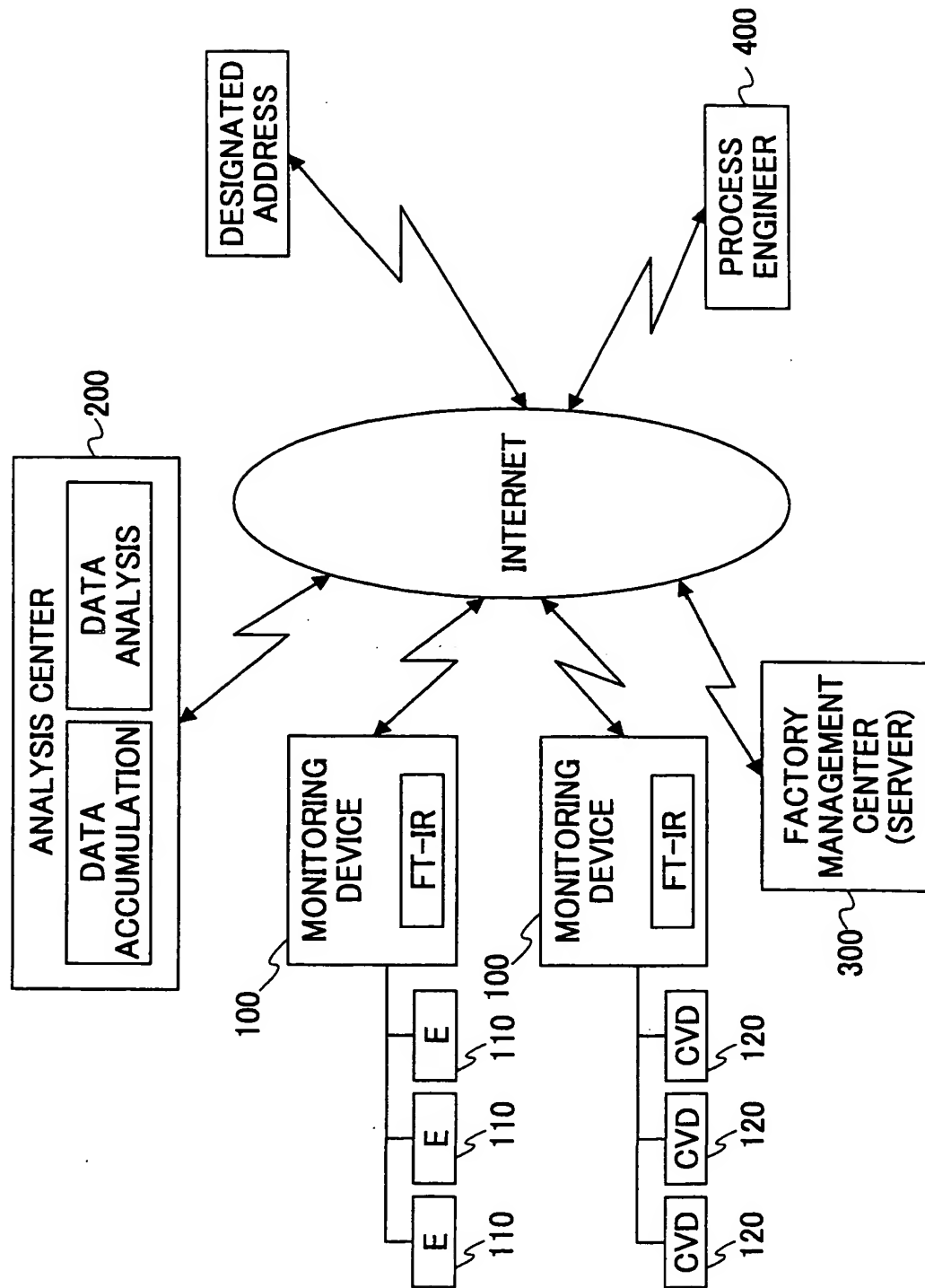


FIG.22

DISPLAY SCREEN

Error in Process Conditions	Cause of Failure
The chamber inner pressure may have decreased.	Shield ring damage
<u>Please check the chamber inner pressure for a decrease.</u>	.....
	.....

500: PROCESS DEVICE

520: GAS SOURCE

500: PROCESS DEVICE

510: PROCESS CHAMBER

512: GAS SUPPLY MECHANISM

530: TURBO PUMP

540: DRY PUMP

570: CLEANER DEVICE

514: MATCHING BOX

516: RF POWER SOURCE

580: WORK SPACE

600: GAS DETECTOR UNIT

610: FTIR

620: VALVE SWITCH UNIT

630: CONTROL UNIT

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